

Material: AMS 5622

Standard Specification for Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing and Rings 16Cr - 4,0Ni - 0,30Cb -4,0Cu, Solution Heat Treated

Group: Ferrous Stainless Steel Alloys

Sub Group: AMS 5622 Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing, and Rings 16Cr - 4,0Ni - 0,30Cb - 4,0Cu, Solution Heat Treated

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Bar, Wire, Tube and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	15.000 - 17.500		
Nickel	Ni %	3.000 - 5.000		
Copper	Cu %	3.000 - 5.000		
Cb+Ta	Cb %+Ta %	0.450 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 1310 min. Yield Strength in Mpa 1172 min. Elongation in % 10 min. Reduction of Area in % - Hardness in HB 388 - 444 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA747 CB7Cu-1	ASME	USA	Casting
17-4PH	SAE	USA	Steel
Z 7 CNU 17-04	AFNOR NF	France	Steel
J92180	UNS	USA	Casting
X 5 CrNiCuNb 16-4	DIN	Germany	Steel
X 5 CrNiCuNb 16-4	EN	European Union	Forging
A747 Grade CB7Cu-1(H900)	ASTM	USA	Casting

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